

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number
WO 2005/079162 A2

- (51) International Patent Classification: Not classified (74) Agent: WEBB, Cynthia; Webb & Associates, P.O. Box 2189, 76121 Rehovot (IL).
- (21) International Application Number: PCT/IL2005/000224 (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 23 February 2005 (23.02.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/546,173 23 February 2004 (23.02.2004) US (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (for all designated States except US): STATE OF ISRAEL, MINISTRY OF AGRICULTURE [IL/IL]; Agricultural Research Organization, Volcani Center, P.O. Box 6, 50250 Bet Dagan (IL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): GAL-ON, Amit [IL/IL]; 16 Vitkin Street, 47263 Ramat-Hasharon (IL). ZELCER, Aaron [IL/IL]; 11 Aharoni Street, 76281 Rehovot (IL). WOLF, Dalia [IL/IL]; 21 Nordau Street, 74096 Ness Ziona (IL). GABA, Victor, Paul [IL/IL]; 26/1 Eisenberg Street, 76289 Rehovot (IL). ANTIGNUS, Yehezkel [IL/IL]; 79850 Moshav Neve Mivtach (IL).
- Published:
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/079162 A2

(54) Title: ENGRAFTED PLANTS RESISTANT TO VIRAL DISEASES AND METHODS OF PRODUCING SAME

(57) Abstract: The present invention relates to engrafted plants comprising a transgenic rootstock resistant to a viral disease and a susceptible scion, wherein the resistance to the disease is conferred to the scion from the transgenic viral-resistant rootstock, such that the entire engrafted plant is resistant to the viral disease. The invention also relates to methods of producing the engrafted viral-resistant plants and the plants produced thereof.